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Examiner Initials*	Cite No.		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
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/KMS/		US-	2002/0073925 A1	06-20-2002	David Noble, et al.		
\1/		us.	2002/0119674 A1	08-29-2002	Randhir P. Thakur		
_		US-	6,383,875	05-07-2002	Randhir P.S. Thakur		
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	NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²				
/KMS/		Bensahel, D, et al. "Front-end, single wafer diffusion processing for advanced 300-mm fabrication lines." Microelectronics Engineering, Elsevier Publishers BV., Amersterdam, NL, vol. 56, no. 1-2, May 2001, Pages 4-59.					
/KMS/		Lo. G, Q, et al. "Effects of post-nitridation anneals on radiation hardness in rapid thermal nitrided gate oxides."					
/KMS/		PCT Search Report for PCT Application No. PC/US2004/003442. Mailed on April 7, 2005., (9 pages).					

Examiner /Kelly Stouffer/	Date Considered 09/10/2007
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			U.S	S. PATENT DOCUM	ENTS		
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		Number-	Kind Code ² (If known)			Trelevant Figures Appear	
/KMS/	1	US	6,323,143 B1	11-27-2001	Yu, Mo-Chiun		
	2	US	6,372,578 B1	04-16-2002	Muramatsu, Satoru	,	
\mathcal{N}	3	US-	6,372,581 B1	04-16-2002	Bensahel, Daniel, et	al.	
V	4	US-	2002/0197884 A1	12-26-2002	Niimi, Hiroaki, et al.		
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patente Applicant of Cited D			here Relevant s or Relevant	Т
/KMS/	5	DE 43 33 160 A1	03-30-1995	Siemens AG				Y
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/KMS/	6		Materia	als Resea	arch Society Syr	mpo	Oxidation and Nitridation in osium Proceedings, Material 17, 1995 pages 253-258.			
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/KMS/	8		PCT S	earch Re	port, PCT/US20	004/	003442, mailed August 25,	2004, (6 pages)).	
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/KMS/		ITO, T., et al., "Direct Thermal Nitridation of Silicon Dioxide Films In Anhydrous Ammonia Gas," J. Electrochem Soc.: Solid-State and Technology/Optical Properties, Vol. 127, No. 9, September 1980, pages 2053-2057,	; .		
/KMS/		ITO, T., et al., "Retardation of Destructive Breakdown of SiO ₂ Films Annealed in Ammonia Gas," J. Electrochem Soc.: Solid-State and Technology/Ammonia Gas, Vol. 127, No. 10, September 1980, pages 2248-2251,			
/KMS/		LEK, C. M., et al., "Impact of Decoupled Plasma Nitridation of Ultra-Thin Gate Oxide on the Performance of P-Channel MOSFETs," Institute of Physics Publishing, Semicond. Sci. Technol., Vol. 17, 2002, pages L25-L28.			

Examiner /Kelly Stouffer/	Date	09/10/2007
Signature /Kelly Stouffer/	Considered	09/10/2007

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